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(71) Applicant *(for all designated States except US)*: JOHNSON MATTHEY PUBLIC LIMITED COMPANY [GB/GB]; 2-4 Cockspur Street, Trafalgar Square, London SW1Y 5BQ (GB).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: CREWDSON, Bernard, John [GB/GB]; Maple Dene, Maunby, Thirsk, N. Yorks YO7 4HD (GB).

(74) Agent: WISHART, Ian, Carmichael; Johnson Matthey Technology Centre, Blounts Court, Sonning Common, Reading RG4 9NH (GB).

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(54) Title: PROCESS FOR PRODUCING HYDROGEN INCLUDING A WATER GAS SHIFT REACTION

(57) Abstract: Production of a hydrogen-containing gas stream by subjecting a gas stream containing carbon monoxide and steam to the shift reaction using a shift catalyst containing, in the reduced state, at least 15% by weight of copper, wherein, immediately upstream of the shift catalyst, the gas stream is passed through a bed of an oxygen scavenger comprising an oxidisable composition containing copper and/or iron or iron oxide that is dissimilar to said shift catalyst.